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Periodical and newspapers as indicated.

CITE 1950 ADVANCE IN AGRICULTURAL MACHINE BUILDING: DESIGN NEW DITCHERS, BANKERS FOR COTTON GROWING

ACHIEVEMENTS IN AGRICULTURAL-MACHINE BUILDING IN 1950 -- Moscow, Sel'khozmashina, No 12, 1950

Soviet agricultural-machine building has made rapid strides in the last few years. In 1950, the agricultural economy received 3.8 times more combines than in 1940, 4 times more tractor plows, almost 6 times as many tractor seeders, and more than 3 times the number of tractor cultivators. The range of machinery produced has been extensively augmented.

The machine-building plants have been radically reorganized and supplied with high-duty equipment. In the more progressive plants, production takes place in accordance with the conveyer method, operations are mechanized, and the most advanced techniques are employed, including heating by high-frequency currents, electric contact heating of billets for stamping, centrifugal and pressure casting, casting from periodic rolled metal, high-speed metal cutting, and electric spark machining.

In 1950, several hundred new combination and special machine tools were installed, more than the number installed in all the 3 preceding years. In the first 9 months of 1950, more than 100 new conveyers and conveyer lines were installed. Twenty plants introduced centralized systems for the sharpening of tools. Painting of parts has been improved and mechanized. Dozens of plants mastered the method of painting with heated paints.

In a number of plants, the casting shops have been mechanized and are producing KCh-33-8 forged iron in cupola furnaces. The Kirovograd Krasnaya Zvezda Plant has begun to use globular graphite for the production of super-durable iron.

The duration of the annealing phase in tempering forged iron has been reduced, especially at the Zaporozh'ye Kommunar Plant and the Frunze Plant imeni Frunze. The range of parts that are cast in permanent metal forms has been increased. The Lyubertsy Plant imeni Ukhtomskiy has mastered the method of gas cementing.

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The electric contact method of heating billets before stamping is receiving ever wider application. Particular success has been achieved at the Altaysel'mash Plant, where a whole series of equipment has been installed for this purpose in connection with the production of tractor plows.

The Taganrog Self-Propelled Combine Plant is continually improving its machine production. Recently, it mechanized the production line for the stamping of hook chains. It has organized a metal-cutting laboratory which is concerned with improving the methods of machining.

The Krasnaya Zvezda Plant is successfully mechanizing various phases of its production.

However, there are a number of plants that are not giving due attention to the introduction of new techniques. The Siberian Agricultural-Machine Building Plant has not converted a single machine tool to high-speed operation in 1950. Even at the Rostsel'mash Plant, combination machine tools are not used to full capacity. The Stalino Plant imeni October Revolution has delayed the execution of the plan of the TsITM (Central Institute for the Organization of Labor and Mechanization of Production) for mechanizing the manufacture of plowshares and moldboards.

DEPUTY MINISTER DIES -- Moscow, Izvestiya, 28 Nov 50

On 26 Nov 1950, Vasiliy Pavlovich Andreyev, Deputy Minister of Agricultural-Machine Building Industry, died.

TO PRODUCE NEW COTTON-GROWING EQUIPMENT -- Moscow, Pravda, 14 Dec 50

To further the mechanization of cotton-growing operations, the Chirchiksel'-mash Plant has designed a universal cultivator-banker. This will be produced in 1951 not only by the Chirchik plant but also by other agricultural-machine building plants in sufficient numbers to meet the economy's needs.

The Chirchiksel'mash Plant will also turn out universal ditcher-bankers, designed by the Special State Design Bureau for Cotton, and cotton-pickers designed by V. I. Gorbunov.

The Uzbeksel mash Plant will produce suspension-type ditcher-graders for the cotton-growing areas.

TASHKENT PLANT MAIN SUPPLIER OF COTTON-CLEANING MACHINES -- Moscow, Pravda, 4 Dec 50

The Tashkhlopkomash (Tashkent Cotton Machinery) Plant has pledged itself to put into operation several cotton-cleaning plants before the day of the Uzbek elections. It equipped such a plant with the latest type of machinery on the occasion of the 33d October anniversary.

Tashkhlopkomash will become, in the next few years, the principal machine-building base for the cotton-sowing areas of the Soviet Union. It will put out 5 times as much machinery as it does now.

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AKMOLINSK AGRICULTURAL MACHINERY PLANT WASTEFUL -- Alma-Ata, Kazakhstanskaya Pravda, 31 Oct 50

Although the Akmolinsk Kazakhsel'mash Plant pledged to support the campaign for economy in metals and raw materials, its staff does nothing to implement the pledge. Director Sidorov and Chief Engineer Yenar'yev remain indifferent to innovators' suggestions. The plant's party and trade union organs have failed to show proper interest in the campaign.

There is considerable overconsumption of raw material at this plant. For instance, it uses 120 kilograms of metal to produce a haymower whereas the plan allows only 95. The tool shop wastes more than 50 percent of its metal in the form of chips because of improper selection of billets. The net result is that the plant is hundreds of machines behind in production each month.

TURNS OUT ABOVE-PLAN GRADERS FOR IRRIGATION SCHEME -- Tashkent, Pravda Vostoka, 11 Nov 50

The Chirchiksel'mash Plant has exceeded the year plan, putting out 500 graders above plan for the new irrigation project.

HELP WANTED -- Tashkent, Pravda Vostoka, 7 Dec 50

The Tashsel mash Plant imeni Voroshilov needs the following personnel immediately: engineer for the mechanization of internal plant transport, drivers, loaders, and manual help. Apply: Personnel Division, Ul. 1 Maya No 2, Tashkent -- Advertisement

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